



## MT581W 2D Ring Scanner

MT581W 2D Ring Scanner, when paired with smartphone such as J2 Mobile Platform, provides hands-free freedom to user who needs to perform multi-tasks while always on the move. Drawing very little power from the host device, MT581W ensures that the connected mobile terminal can operate for a full shift with single charge.

### Ergonomic Design for Mobile Operators

- Read all major 2D barcodes in the market.
- Supports both audio and visual feedback.
- Wearable design enabling hands-free 2D scanning.
- Ergonomic design with touch-activated scan button.

### Easy and Flexible Operations

- Indicators : LED, Buzzer
- Interfaces : USB HID, USB VCP



\* All specifications are subject to change without notice.

Optic & Performance	
Light Source	White LED, 625nm Red LED
Sensor	Array Image Sensor (640 x 480)
Scan Rate	60 Frames/Sec
Resolution	5Mil (Code39), 6.67Mil (PDF417)
Scan Angle	Horizontal 42°, Vertical 31.5°
Pitch / Skew / Roll Angle	±60° / ±60° / 360°
Print Contrast Ratio	25%
Width of Field	146 mm (13Mil Code39)
Typical D.O.F ( @800 lux)	UPC/EAN 13 Mil: 42 ~ 388mm QR Code 15 Mil: 25 ~ 234mm
Physical Characteristics	
Dimension	W27.6 x L46.2 x H26.8 mm
Weight	19.4g
Color	Black
Material	PC+ABS
Connector	Micro USB
Cable	90mm (Micro to Type-C coiled cable)
Trigger	Touch Scan Button, Function Button
Indicator	LED, Buzzer
Electrical	
Operation Voltage	5 VDC ± 5%
Working Current	< 135 mA
Standby Current	< 15 mA
Connectivity	
Interface/ Profile	USB HID, USB VCP
User Environment	
Operating Temperature	-20 ~ 55°C
Storage Temperature	-40 ~ 70°C
Humidity	0% ~ 95% RH (Non-condensing)
Drop Durability	1.5M
Sealing	IP42
Ambient Light	100,000 Lux (Sunlight)
Regulatory	
ESD	Functional after 4KV contact, 8KV Air discharge
EMC	FCC Part 15B Class B, CE EN55024/32
Safety Approval	EN/IEC62471 (Exempt Group)
Environmental	WEEE, RoHS 2.0
Symbolologies	
1D	Code 39, Full ASCII Code 39, Codabar, Interleaved 2 of 5, IATA 2 of 5, Matrix 2 of 5, Industrial 2 of 5, Code 11, MSI Plessey, UK Plessey, EAN-8, EAN-13, UPC-A, UPC-E, Code 93, Code 128, GS1-128, GS1 Databar
2D	PDF417, DataMatrix, QR Code, Micro QR Code, Aztec



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